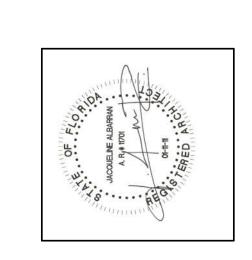
#### **GENERAL NOTE:**

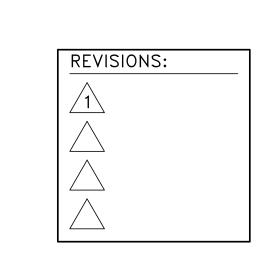
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DRAWINGS AND SPECIFICATION REQUIREMENTS WITH EXISTING CONDITIONS IN THE FIELD AND BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK.

  DO NOT SCALE DRAWING. ALL DIMENSIONS SUPERSEDE ANY GRAPHIC REPRESENTATION.



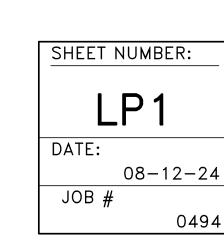
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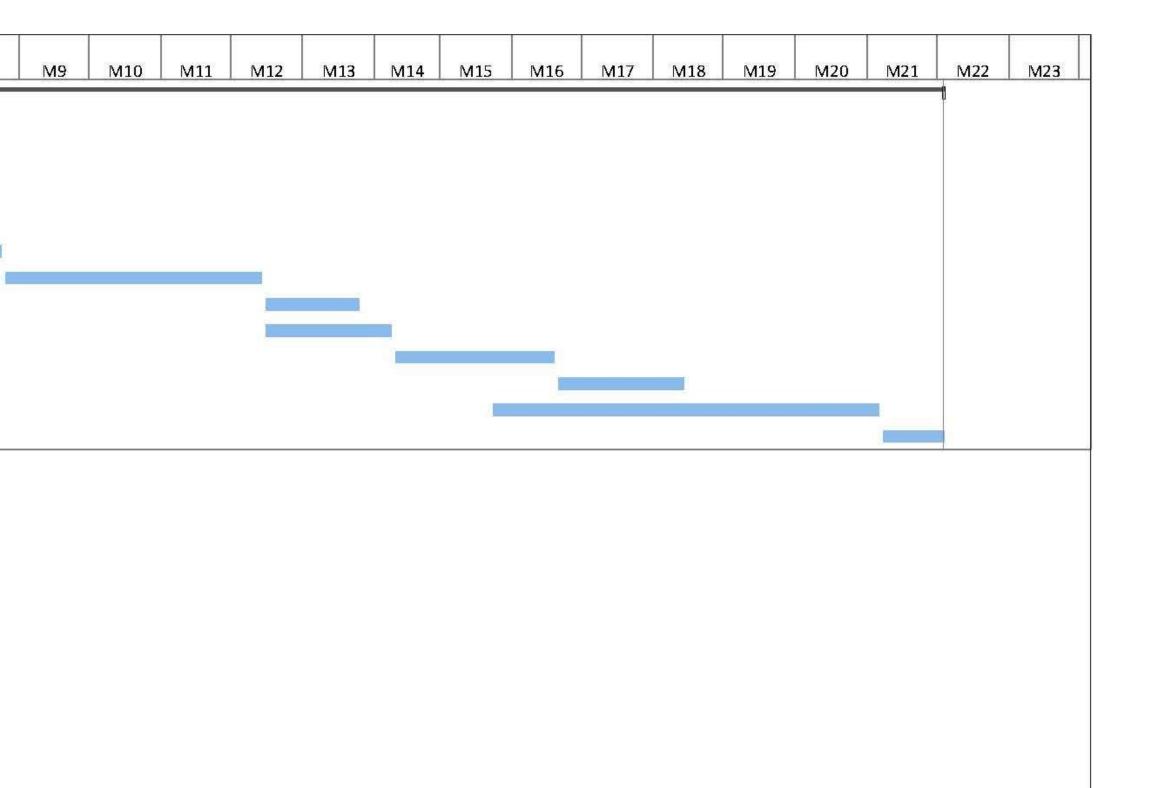


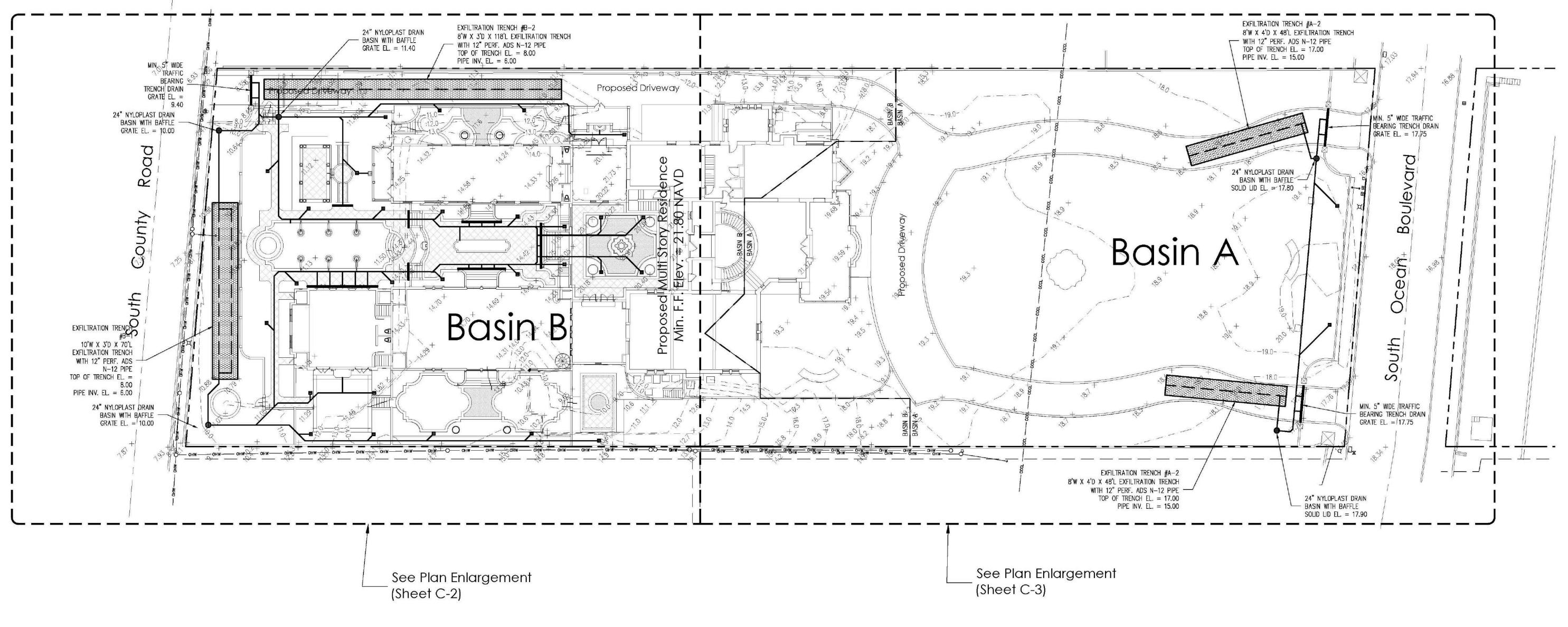


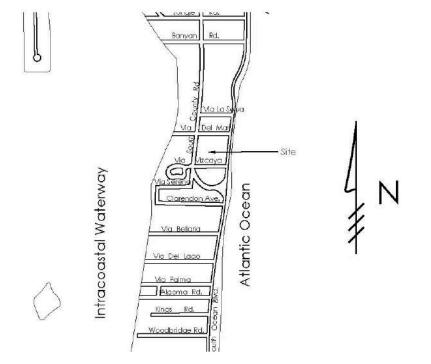
LOGISTICS PLAN AND CONSTRUCTION TIMELINE

NO SCALE









Location Map N.T.S.

# Notes:

- 1) Exfiltration trenches and storm piping to be protected from roots with a root barrier.
- 2) Roof drain downspouts are to be connected to the proposed drainage system. Contractor to provide engineer with downspout locations prior to installation of drainage system.
- 3) Exfiltration trench design uses an assumed value of hydraulic conductivity. Client may obtain a site specific test for hydraulic conductivity prior to exfiltration trench installation.
- 4) Contractor shall mill and overlay all roadway cuts a minimum of 50 ft. on either side of the excavation the entire width of each affected lane.
- 5) Contractor is responsible for installing and maintaining erosion control measures during construction.
- 6) Video inspection of storm drainage system required prior to installation of sod.

### STORMWATER RETENTION CALCULATIONS Basin A

A. <u>SITE INFORMATION</u>

Total Property Area = 68,907 sq.ft.

Proposed Basin Area = 33,259 sq.ft. Drainage Area Impervious Surface = 9,936 sq.ft.

Drainage Area Pervious Surface = 23,323 sq.ft.

B. ESTIMATED STORMWATER RETENTION VOLUME

The retention volume is estimated using the Rational Method (Q=CiA) C = 1.0 (impervious surface)

C = 0.2 (pervious surface)

Impervious Surface Runoff Volume: 1.0 x 2 in/hr x 9,936 sq.ft. x 1 ft./12 in. = 1,656 cu.ft.

Pervious Runoff Volume:

i = 2 in/hr

 $0.2 \times 2 \text{ in/hr} \times 23,323 \text{ sq.ft.} \times 1 \text{ ft./}12 \text{ in.} = 777 \text{ cu.ft.}$ 

Total Volume to be Retained = 2,433 cu.ft.

DS = Saturated Trench Depth

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 96 ft W = Trench Width = 8 ft K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head H2 = Depth to Water Table = 6.00 ft DU = Un-Saturated Trench Depth = 4.00 ft

= 0.00 ft

V = Volume Treated = 2,943 cu.ft.

## STORMWATER RETENTION CALCULATIONS <u>Basin B</u>

A. SITE INFORMATION

Total Property Area = 68,907 sq.ft.

Proposed Basin Area = 35,648 sq.ft.

Drainage Area Impervious Surface = 23,523 sq.ft.

Drainage Area Pervious Surface = 12,125 sq.ff.

B. ESTIMATED STORMWATER RETENTION VOLUME

The retention volume is estimated using the Rational Method (Q=CiA)

C = 1.0 (impervious surface) C = 0.2 (pervious surface) i = 2 in/hr

Total Volume Retained

Impervious Surface Runoff Volume: 1.0 x 2 in/hr x 23,523 sq.ft. x 1 ft./12 in. = 3,921 cu.ft.

Pervious Runoff Volume:  $0.2 \times 2 \text{ in/hr} \times 12,125 \text{ sq.ft.} \times 1 \text{ ft./}12 \text{ in.} = 404 \text{ cu.ft.}$ 

Total Volume to be Retained =4,325 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 10 ff = Trench Width = 0.00005 cfs/sq.ft./ft. of head K = Hydraulic Conductivity = 6.00 ft H2 = Depth to Water Table DU = Un-Saturated Trench Depth = 3.00 ft DS = Saturated Trench Depth = 0.00 ft

= 2,164 cu.ft. Volume Treated Exfiltration Trench #B-2 Total Length of Trench Provided = 118 ft = 18 ft = Trench Width = 0.00005 cfs/sq.ft./ft. of head K = Hydraulic Conductivity

H2 = Depth to Water Table = 6.00 ft Un-Saturated Trench Depth = 3.00 ff = 0.00 ftSaturated Trench Depth V = Volume Treated = 3,035 cu.ft.

= 5.199 cu.ft.

# Legend

EXISTING ELEVATION PER WALLACE SURVEYING CORP. (NAVD-88)

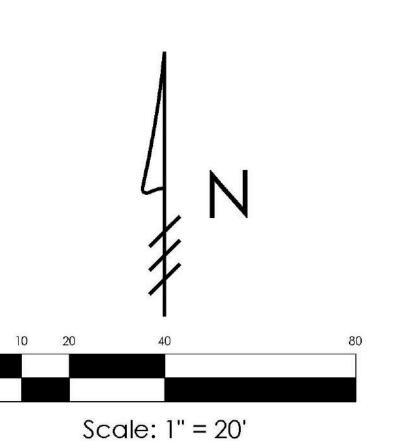
PROPOSED ELEVATION (NAVD-88)

---7.00--- PROPOSED ELEVATION CONTOUR (NAVD-88)

FLOW DIRECTION ----EXFILTRATION TRENCH

AREA DRAIN

24" NYLOPLAST DRAIN BASIN



**GRUBER** CONSULTING **ENGINEERS** 

2475 Mercer Avenue, Suite 305 West Palm Beach, FL 33401 6 561.312.2041 

48 HOURS BEFORE DIGGING CALL 1-800-432-4770 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Contractor is responsible for obtaining location of existing utilities prior to commencement

of construction activities.

∞

erall Site Grading SIDEN ò Concept

PROJECT INFORMATION: Project No. | 2024-0059 Issue Date 08/12/2024

Scale 1" = 20' REVISIONS:

CHAD M. GRUBER FLORIDA P.E. NO. 57466 Digitally

signed by Chad M \* No. 57466 \* Gruber Date: 2024.08.08 12:14:21 -04'00'

> This item has been electronically signed and sealed by Chad M. Gruber on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

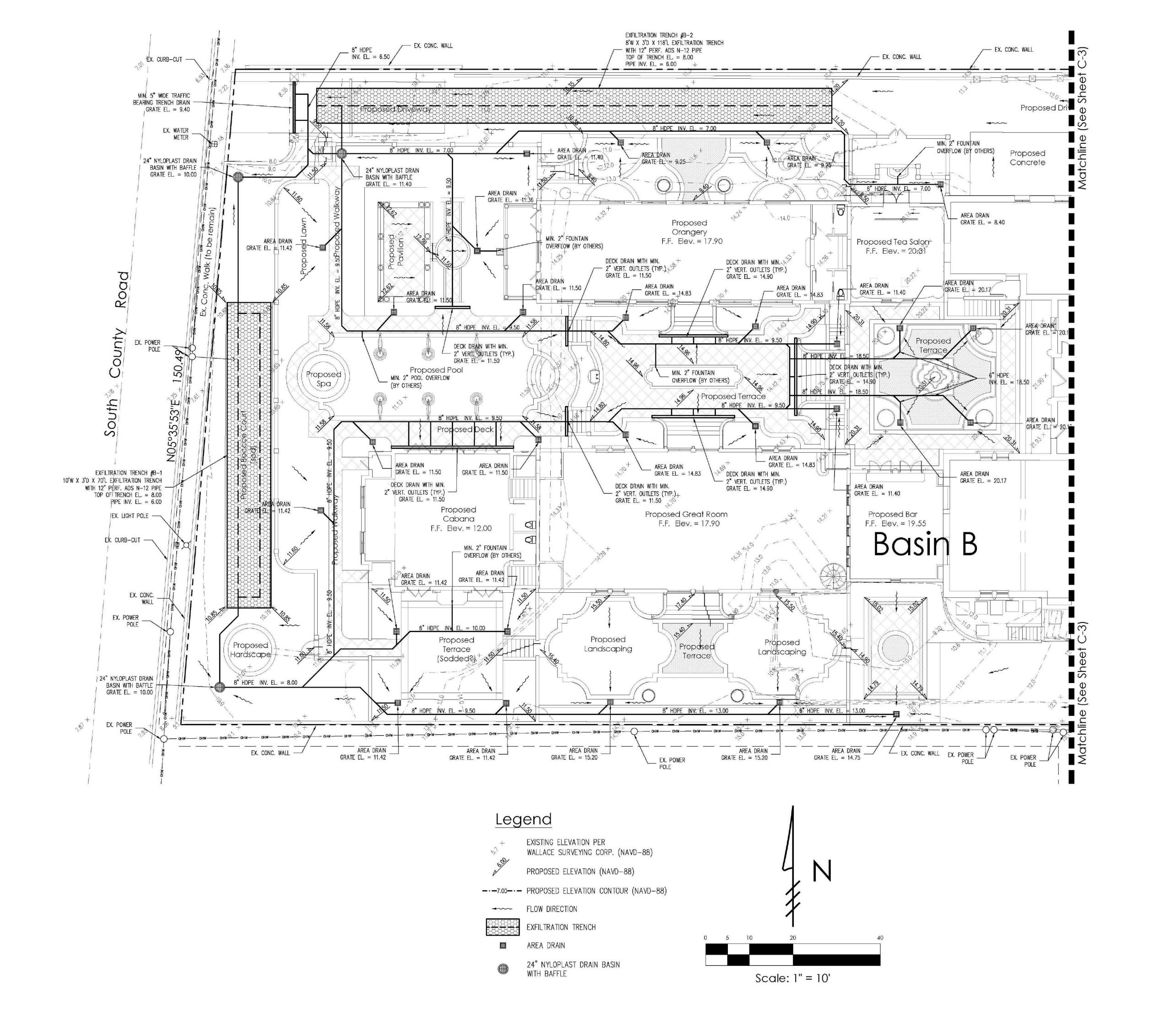
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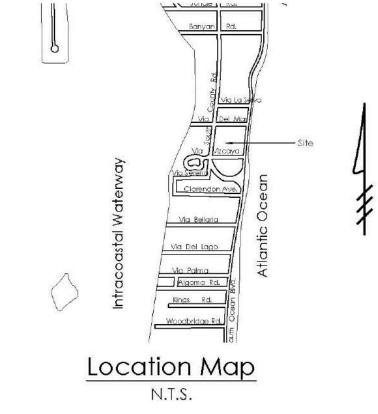
COA-24-0014 ZON-24-0041

Plan Background from Hardscape Plan by

Environment Design Group Received 7/29/24

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CALL OF FLORIDA, INC. Contractor is responsible for obtaining location of existing utilities prior to commencement

of construction activities.

Grading & Drainag

RESIDENCE

4 AFA

PROJECT INFORMATION:

Project No. | 2024-0059 Issue Date 08/12/2024 1" = 10'

Scale **REVISIONS:** 

ual Site

CHAD M. GRUBER FLORIDA P.E. NO. 57466

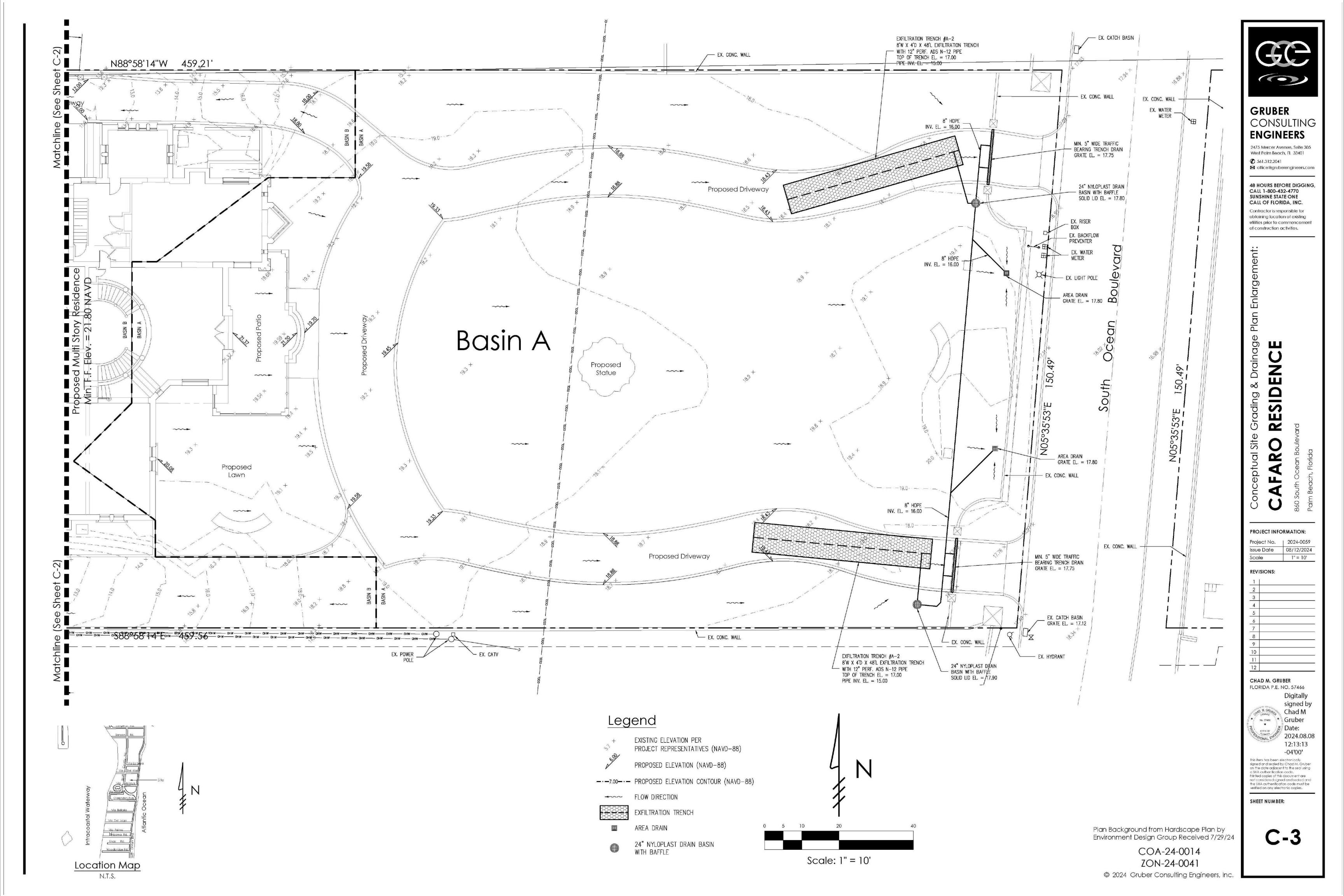
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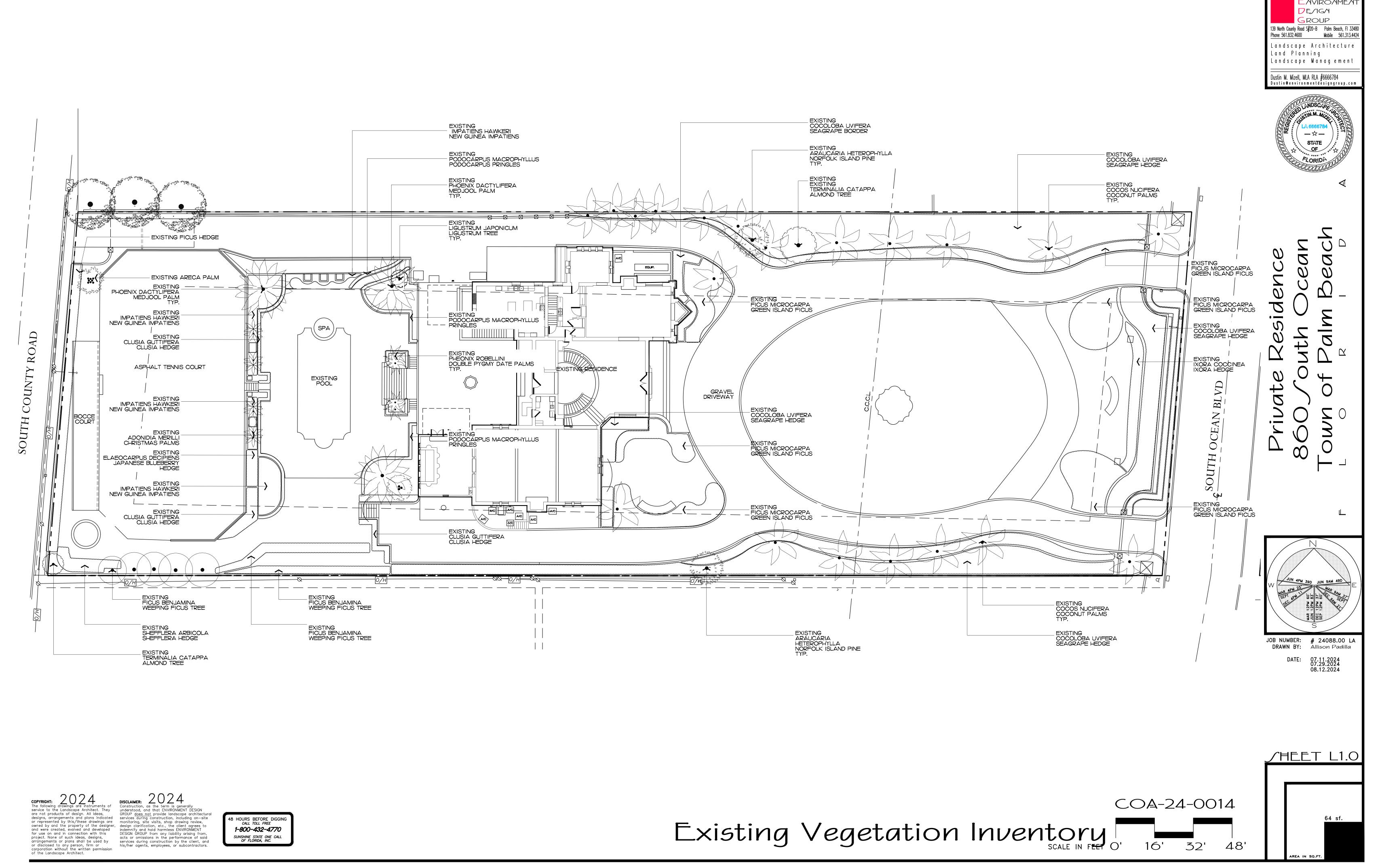
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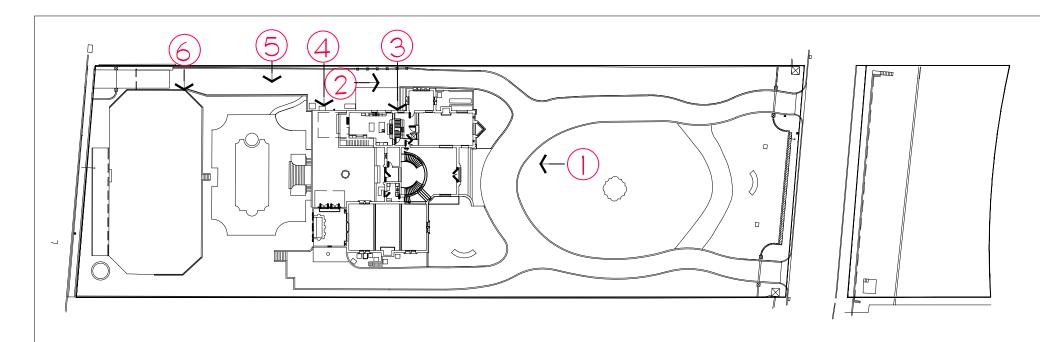
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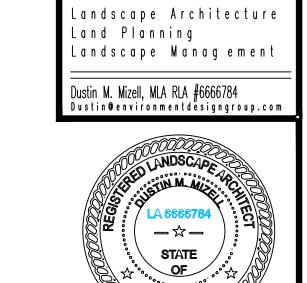
Plan Background from Hardscape Plan by Environment Design Group Received 7/29/24

COA-24-0014 ZON-24-0041 © 2024 Gruber Consulting Engineers, Inc. **C-2** 



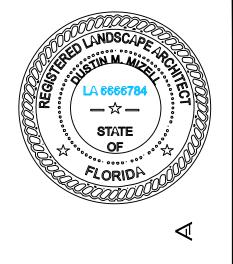












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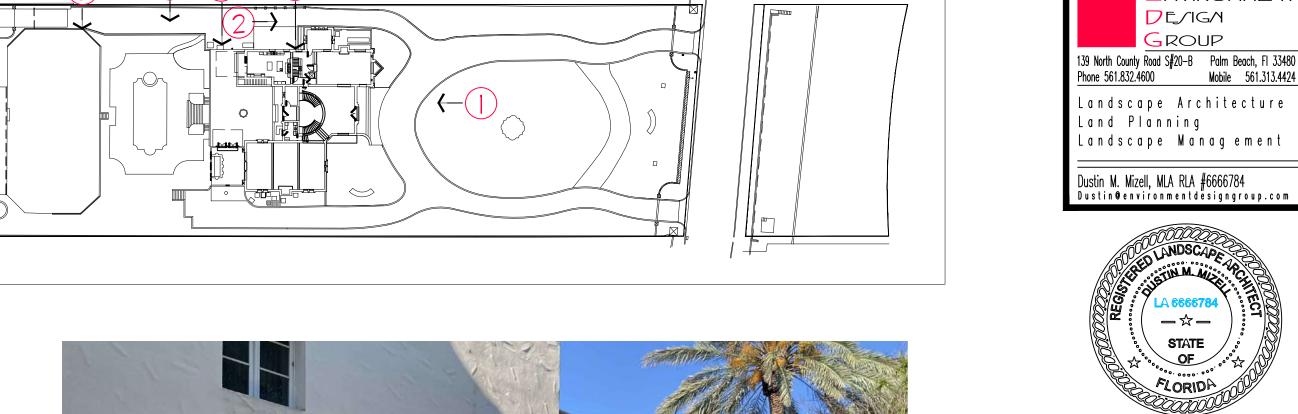
07.11.2024 07.29.2024 08.12.2024



JOB NUMBER: # 24088.00 LA DRAWN BY: Allison Padilla



/HEET L1.1





Existing East Elevation
(Front Yard)



Existing Morth Garage



3 Existing Morth Garage



Existing Morth Pool Entrance

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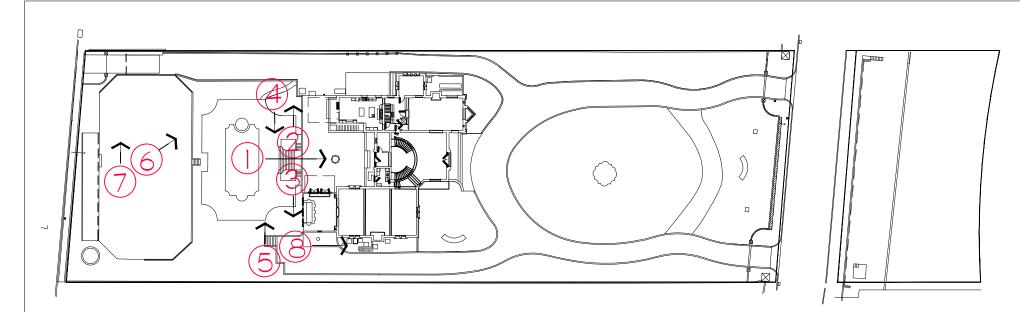


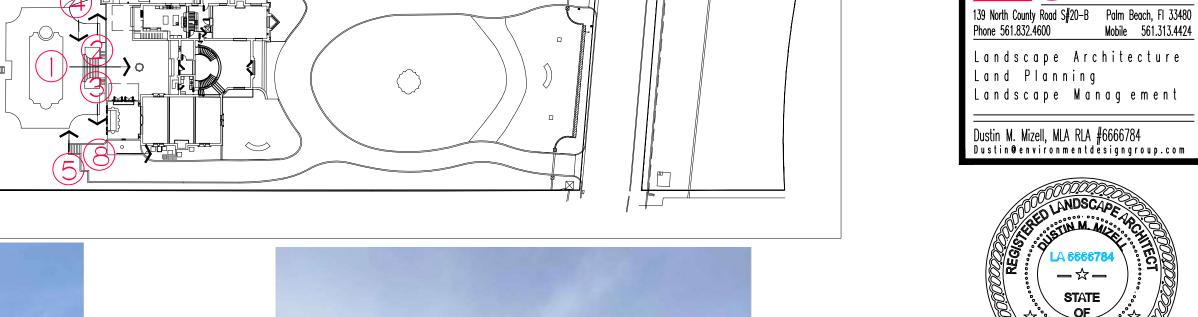
Existing Morth Pool Screening (View From Driveway)



Tennis Court Screening
(NW Corner) COA-24-0014

Existing Site Photos

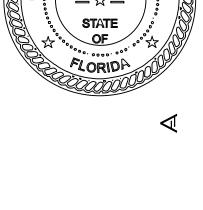






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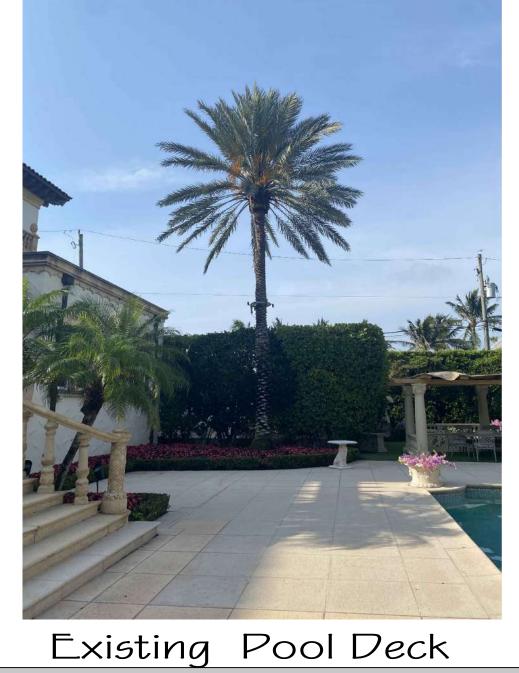


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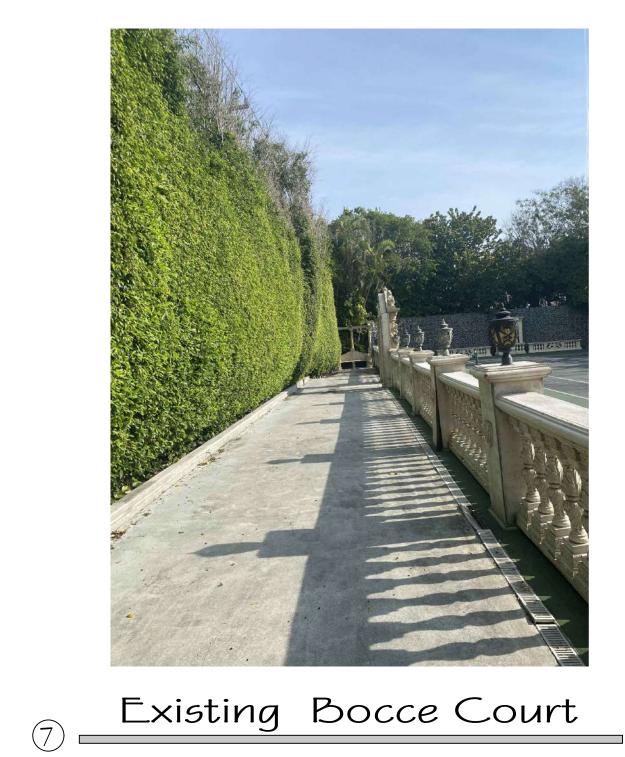


Existing Pool Area











Existing South Garage

Existing Rear Yard -Pool

Existing South West Area



Existing Tennis Court

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COA-24-0014 Existing Site Photos

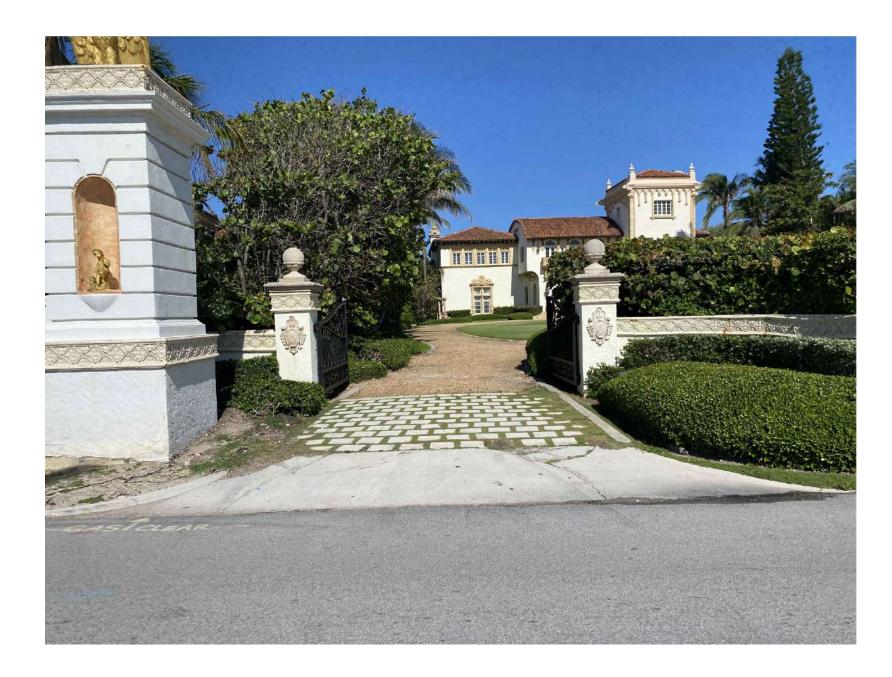


Landscape Architecture Land Planning Landscape Management

07.11.2024 07.29.2024 08.12.2024



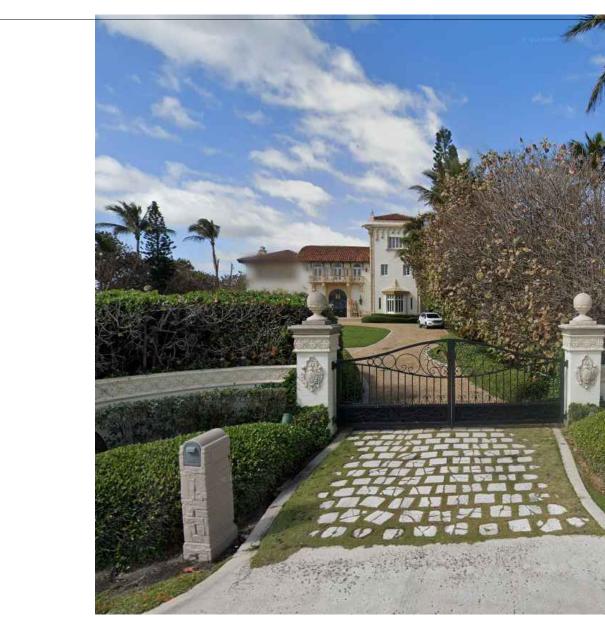




Existing East Elevation View From Jouth Ocean Blud



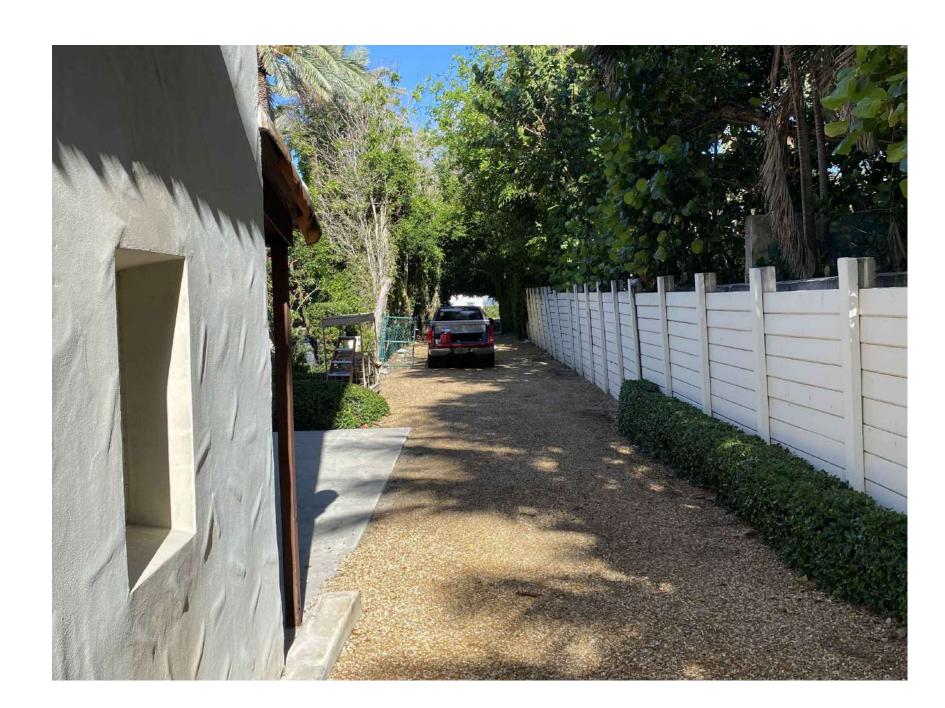
2 Existing East Elevation



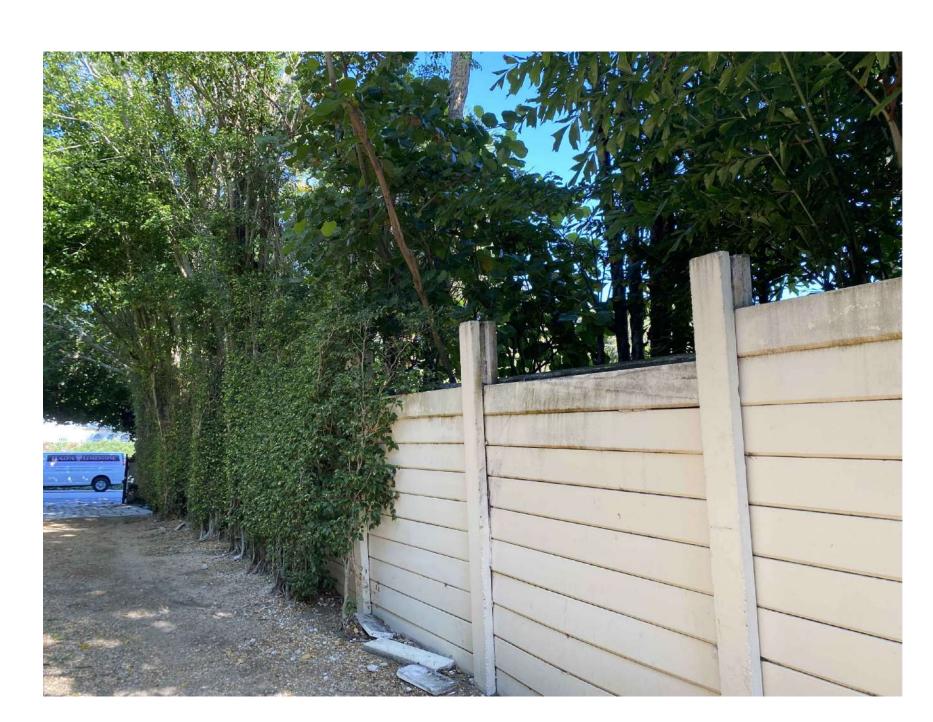
Existing East Buffer Elevation



Existing North Buffer



5 Existing Morth Buffer

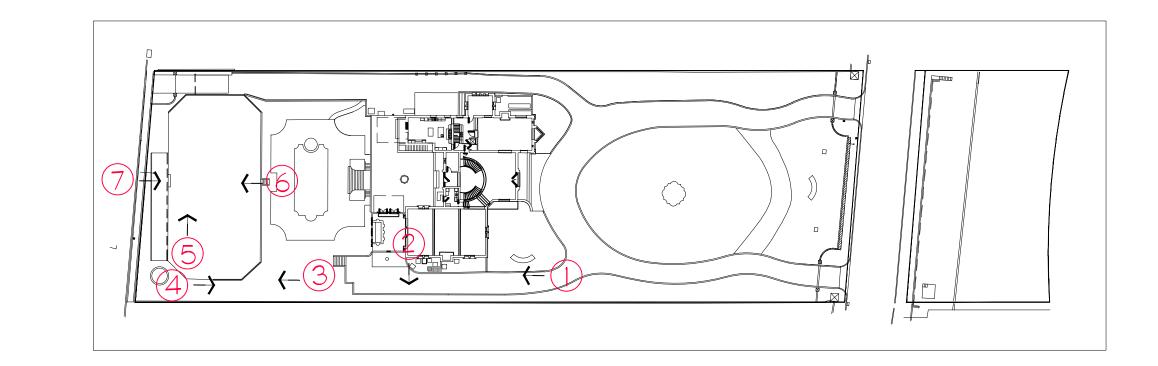


Existing Morth Buffer

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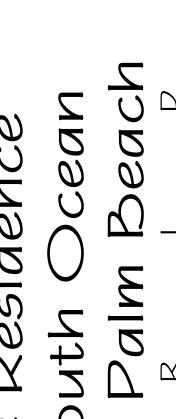
48 HOURS BEFORE DIGGING CALL TOLL FREE 1-800-432-4770

COA-24-0014 Existing Landscape Buffer Images

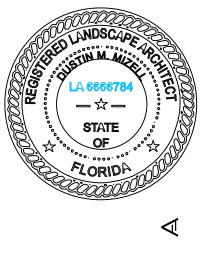






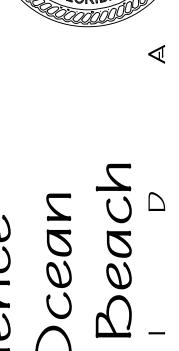
















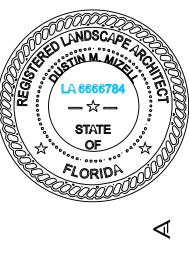


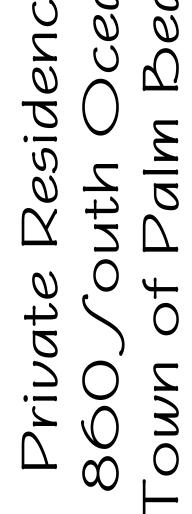
JOB NUMBER: # 24088.00 LA DRAWN BY: Allison Padilla

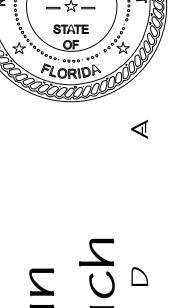
/HEET L1.4

07.11.2024 07.29.2024 08.12.2024















Existing South Buffer

Existing West Buffer



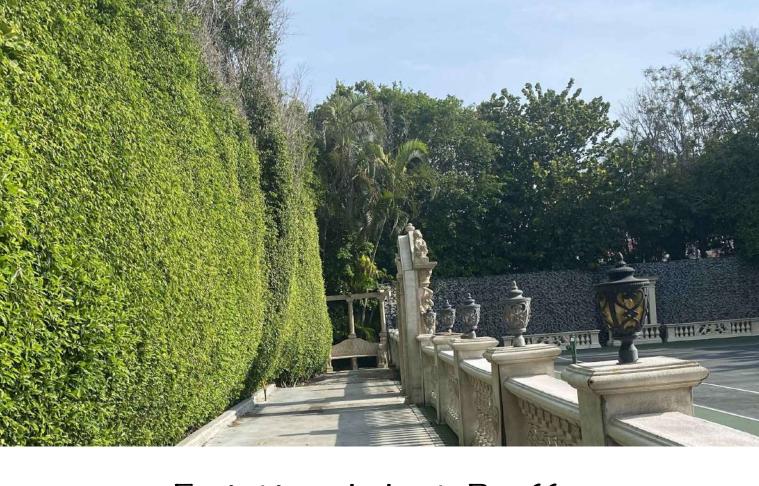
Existing South Buffer

Existing South Buffer

Existing West Buffer

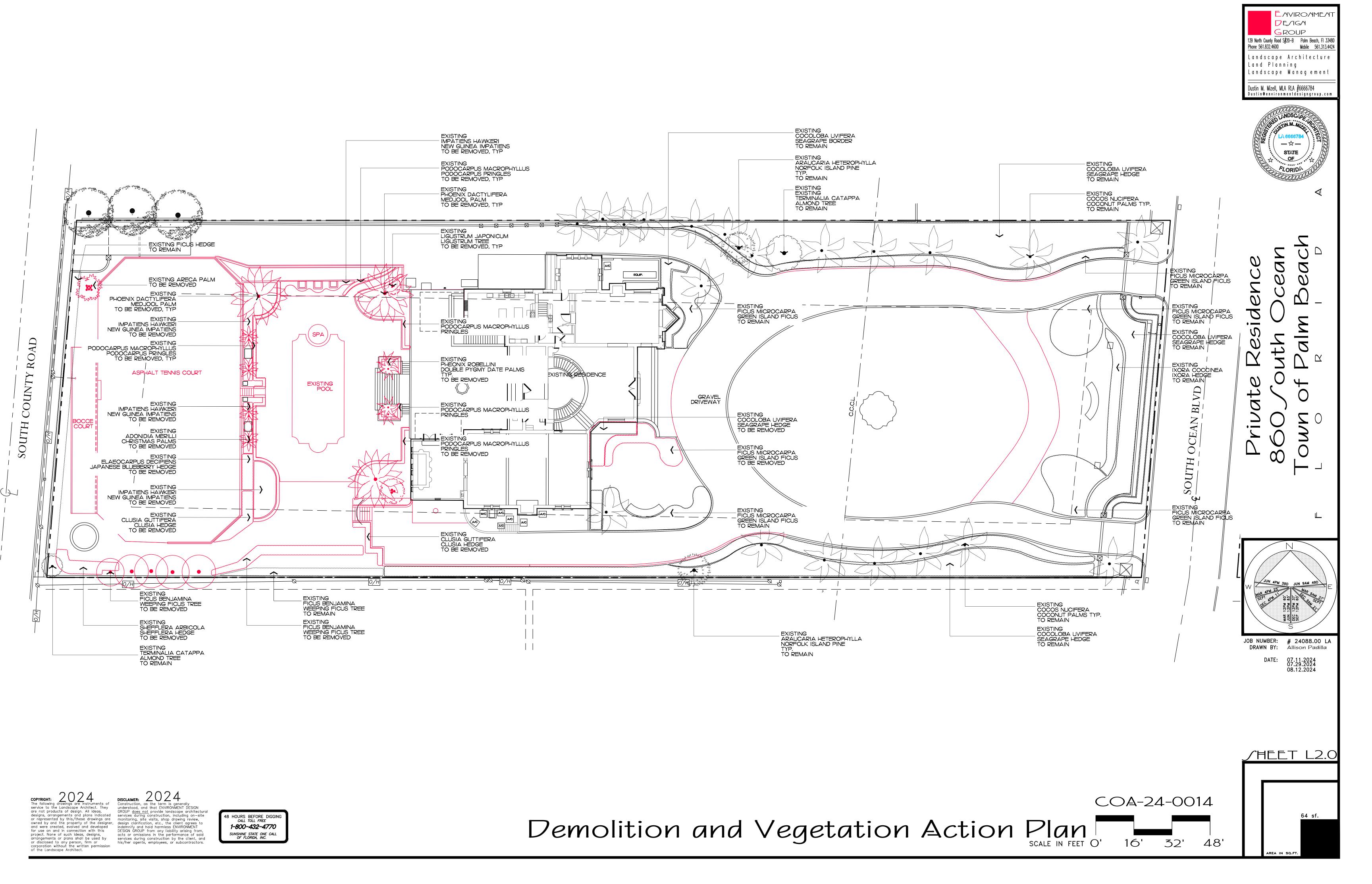
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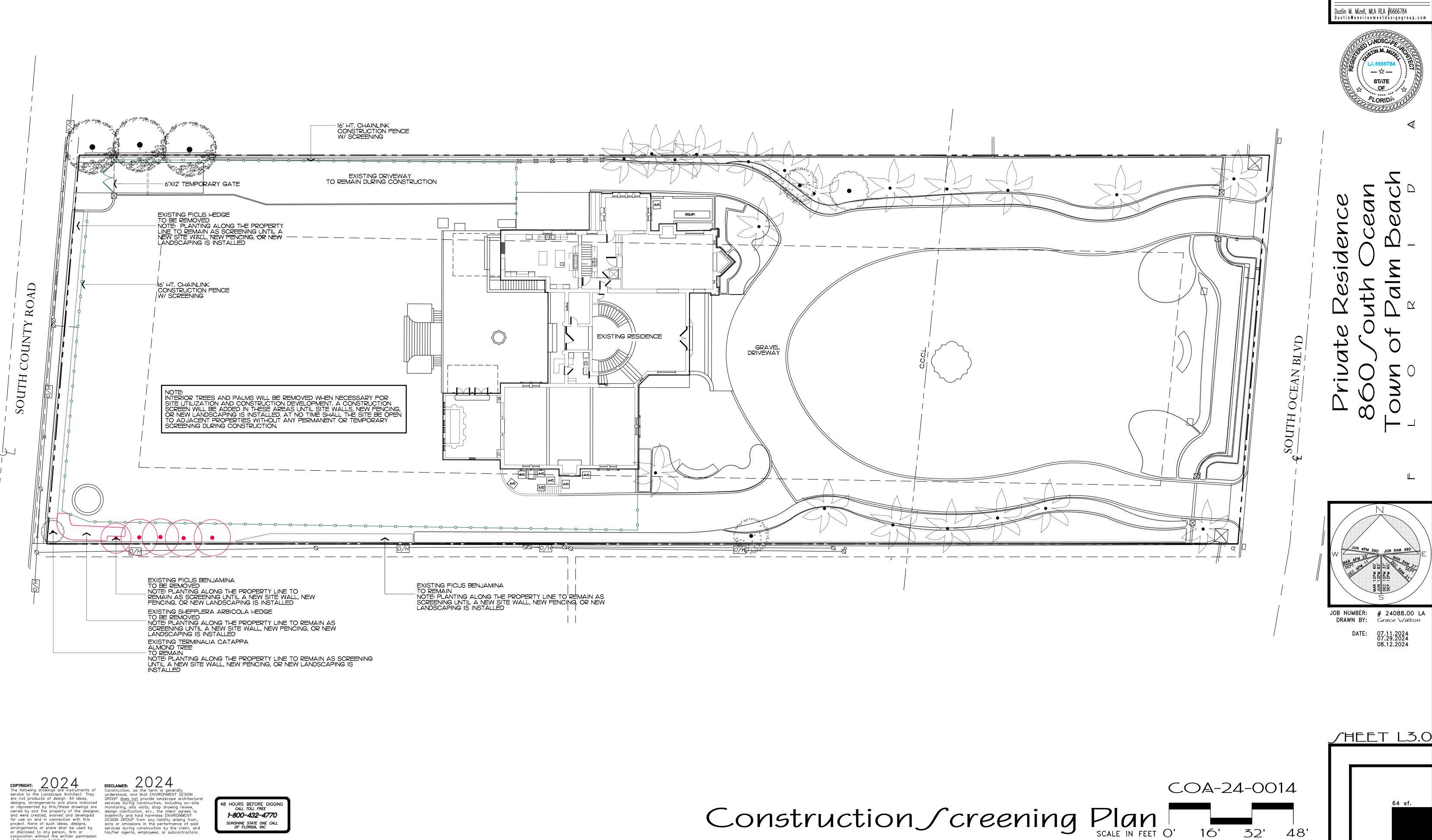
Existing Landscape Buffer Images



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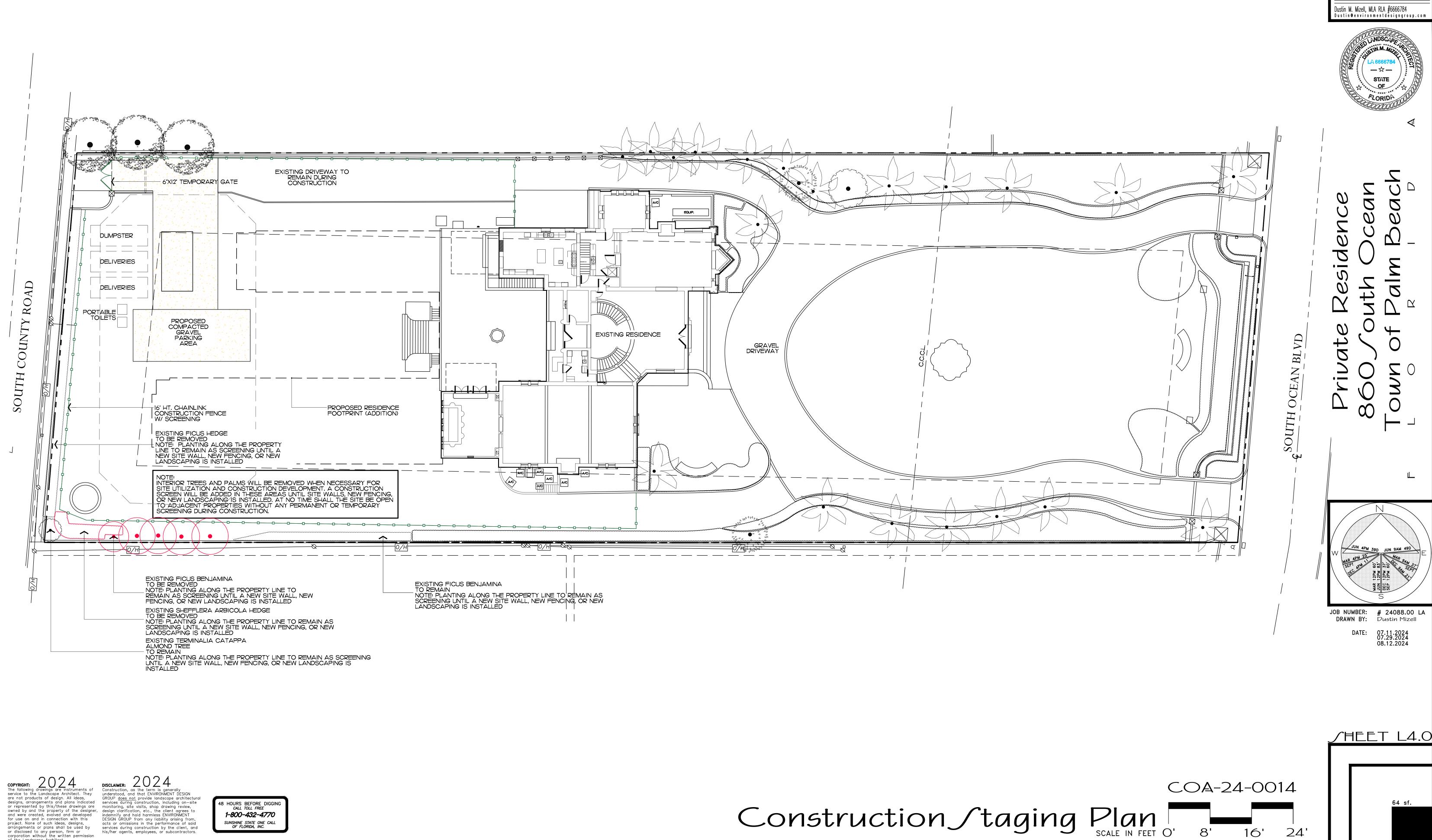




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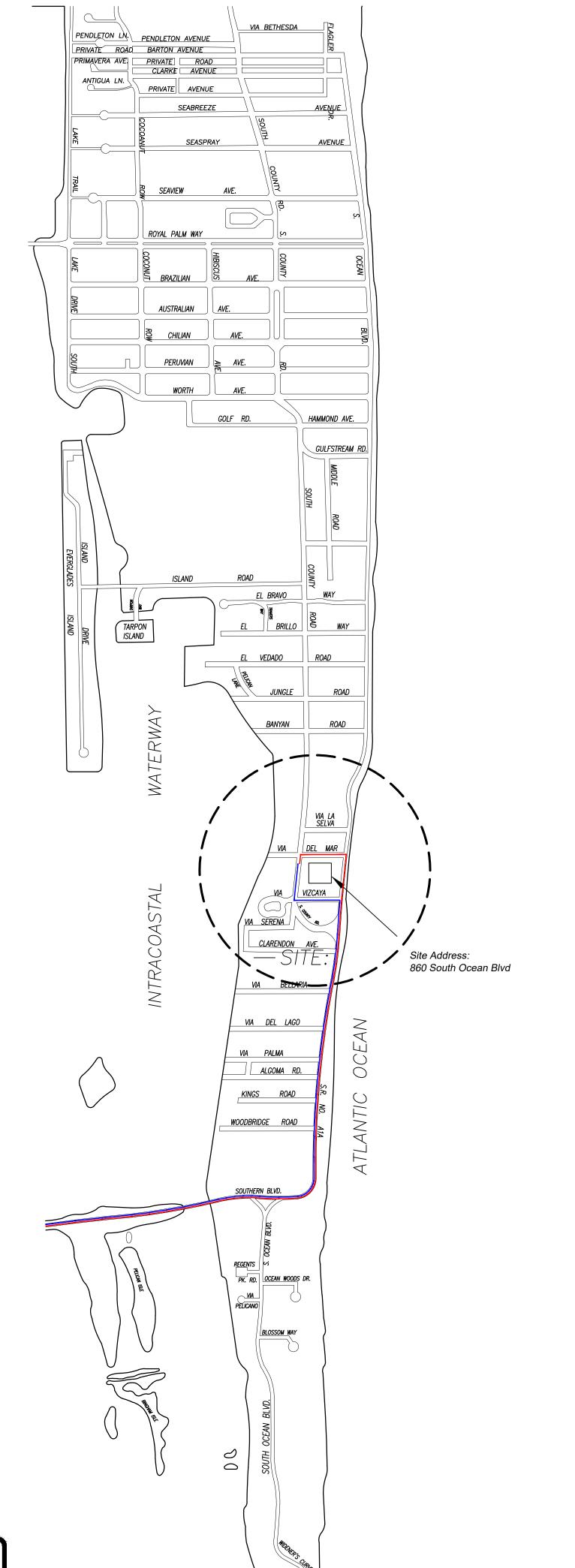
DE/IG/I 3 ROUP 139 North County Road S#20-B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424 Landscape Architecture Land Planning Landscape Management

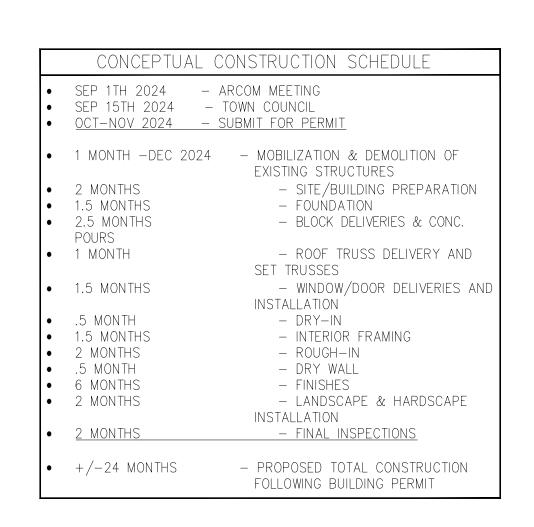


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DE/IG/I 3 ROUP 139 North County Road S#20−B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424 Landscape Architecture Land Planning Landscape Management





PROPOSED TRUCK INGRESS / EGRESS ROUTES MAP

SCHEDULE:

MONTH 1: DEMOLITION AND CLEANUP (3 - 5 DAYS)

LARGEST TRUCK ->

10-15 DUMP TRUCKS FOR DEBRIS REMOVAL TRAILER FOR EXCAVATOR / DEMOLITION LANDSCAPE TRUCKS -> SOD IRRIGATION

NOTE: SEE SEPARATE "CONSTRUCTION STAGING PLAN" SHEET FOR INFORMATION ON LOCATIONS FOR PARKING, MATERIAL STORAGE, DELIVERIES, DUMPSTER, PORTABLE TOILETS, TIRE CLEANING AREA, SILT FENCE, ETC.

PROPOSED INGRESS TRUCK ROUTE

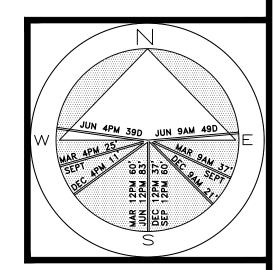
PROPOSED EGRESS TRUCK ROUTE

**DE/IGM** GROUP 139 North County Road S#20-B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424 Landscape Architecture Land Planning Landscape Management Dustin M. Mizell, MLA RLA #6666784 Dustin@environmentdesigngroup.com

EMVIROMMEMT



esid



JOB NUMBER: # 24088.00 LA DRAWN BY: Alex Bugrii

07.11.2024 07.29.2024 08.12.2024

/HEET L5.0

COA-24-0014

Truck Logistics Plan

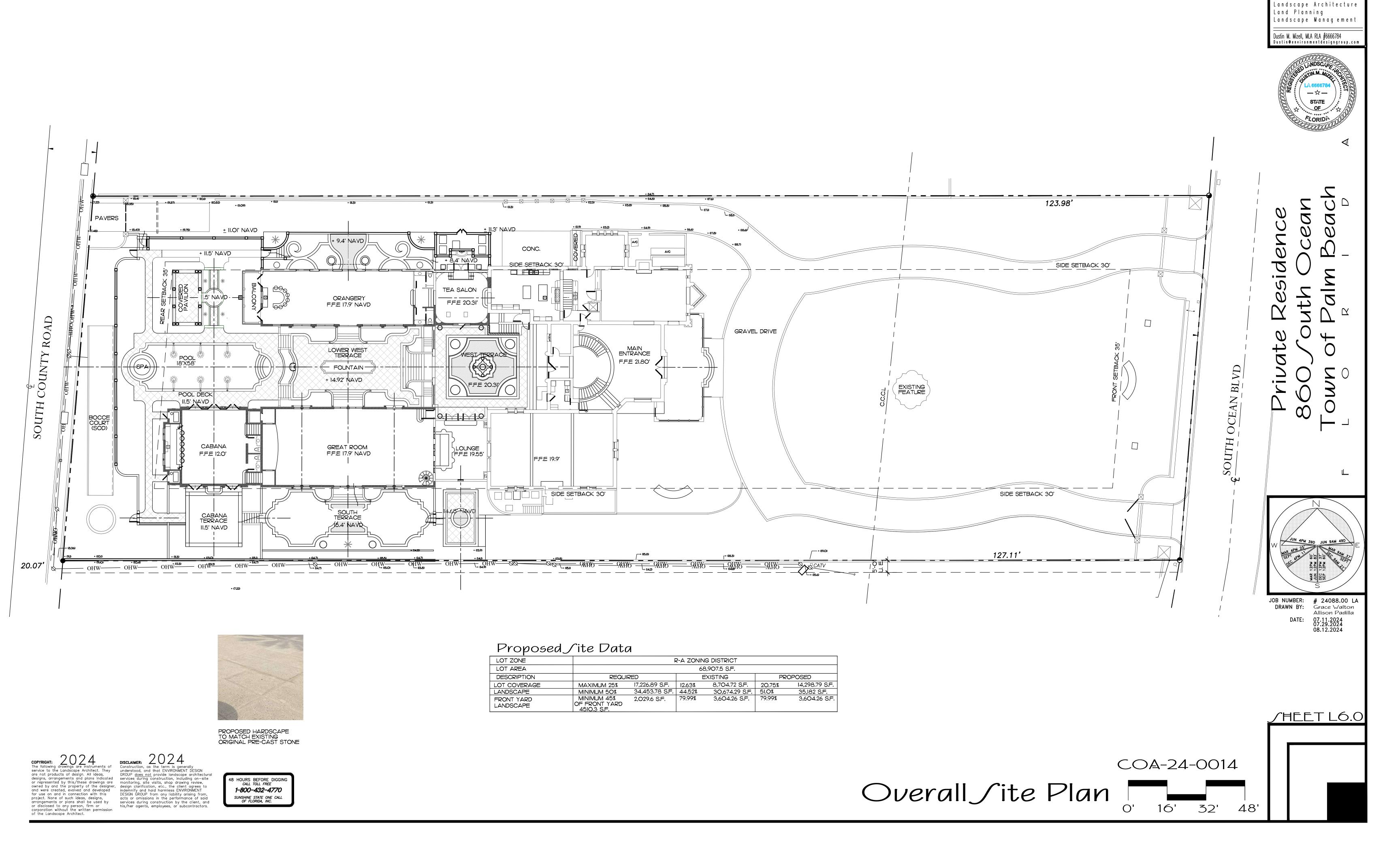
SCALE: NOT TO SCALE

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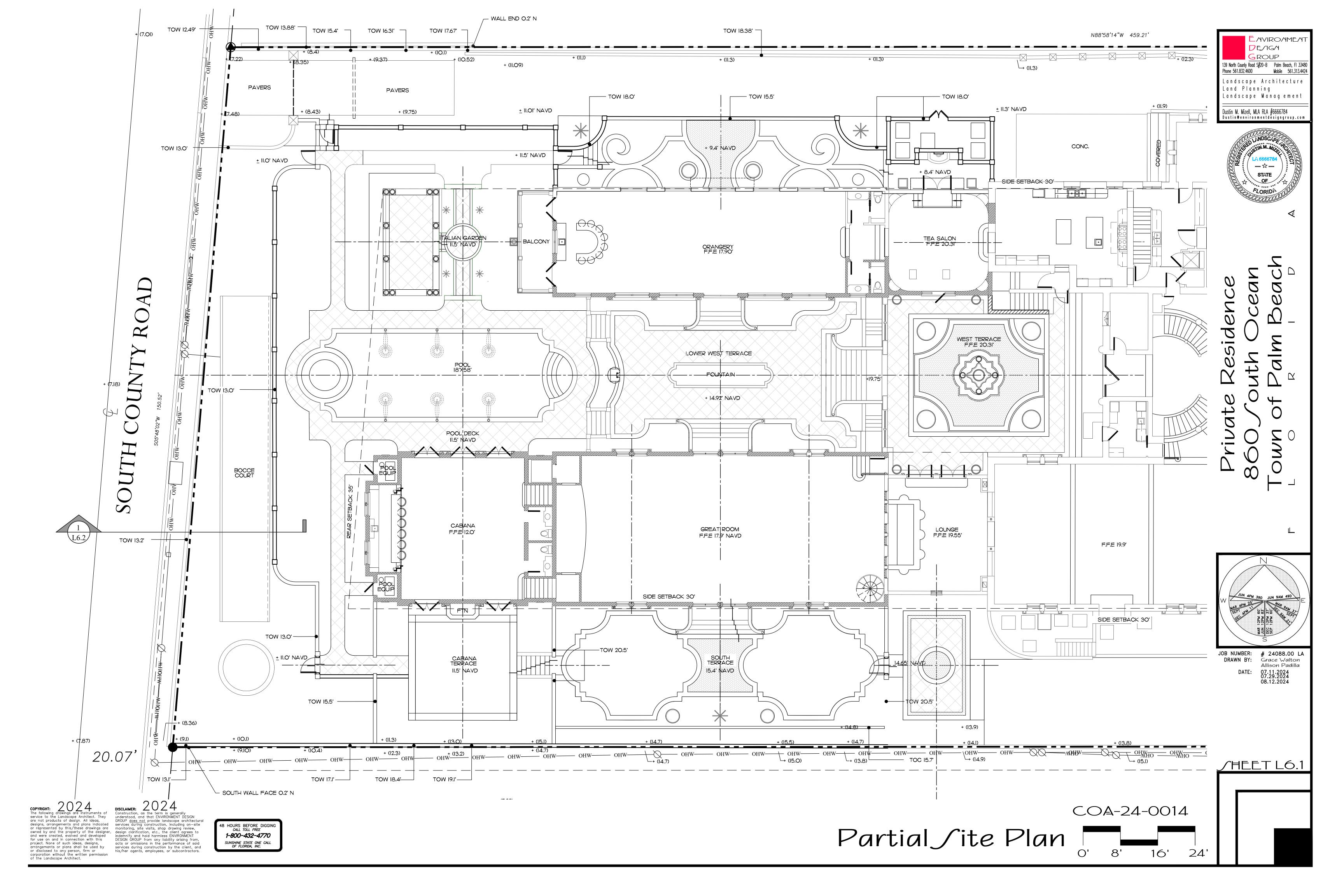
services during construction by the client, and his/her agents, employees, or subcontractors.



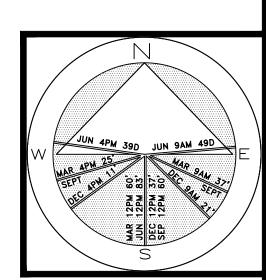


DE/IGA GROUP

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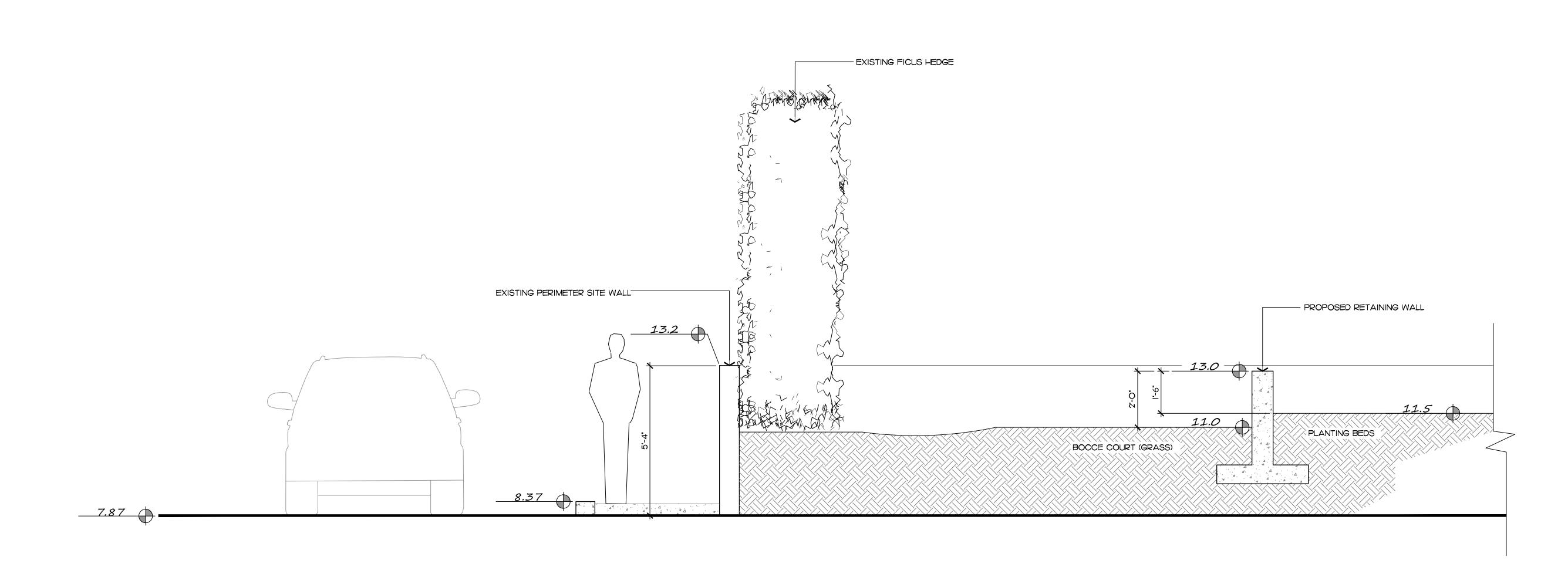






JOB NUMBER: # 24088.00 LA DRAWN BY: Grace Walton " Grace Walton Allison Padilla

/HEET L6.2 COA-24-0014 Wall Section Detail



West Property Line Wall Section

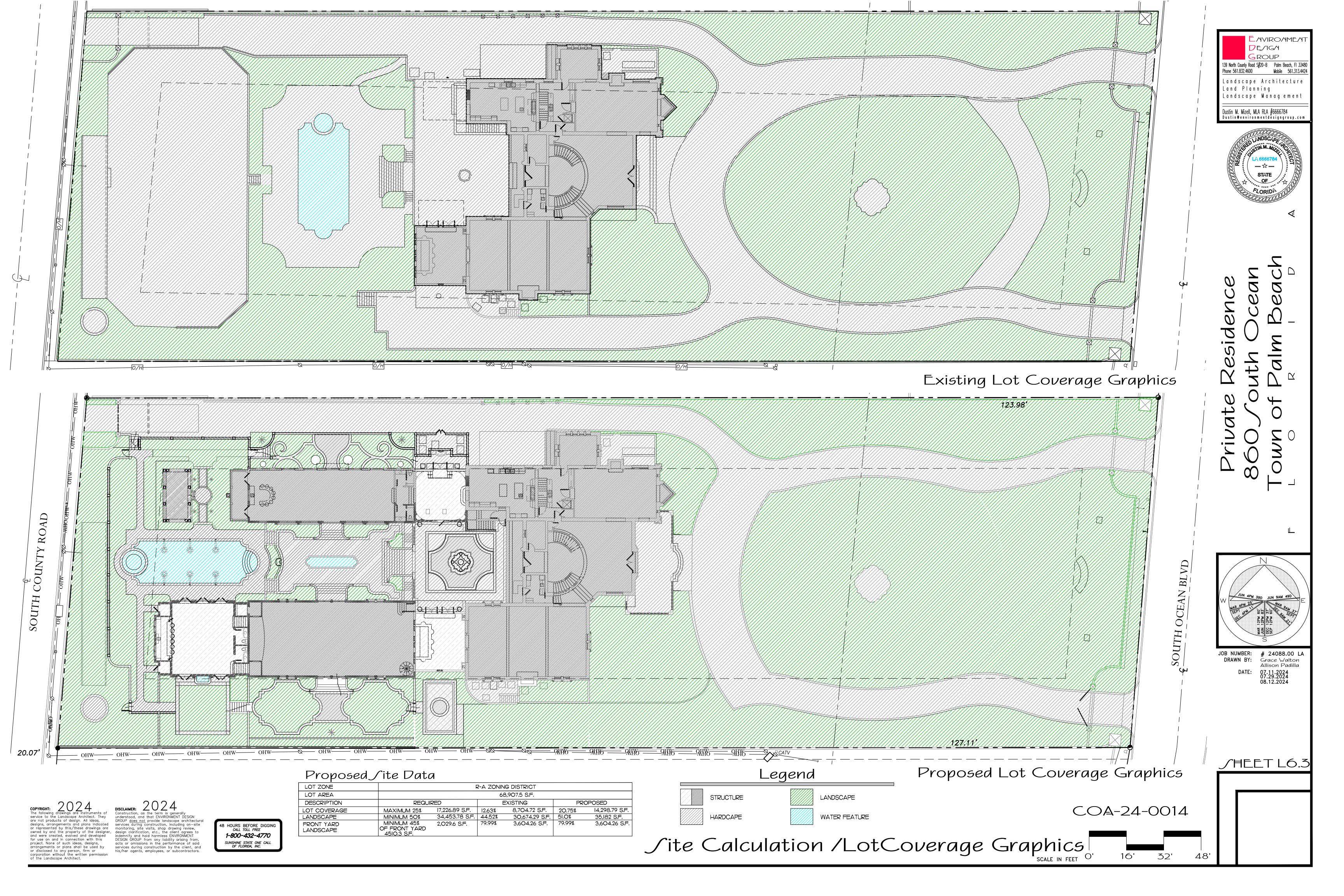
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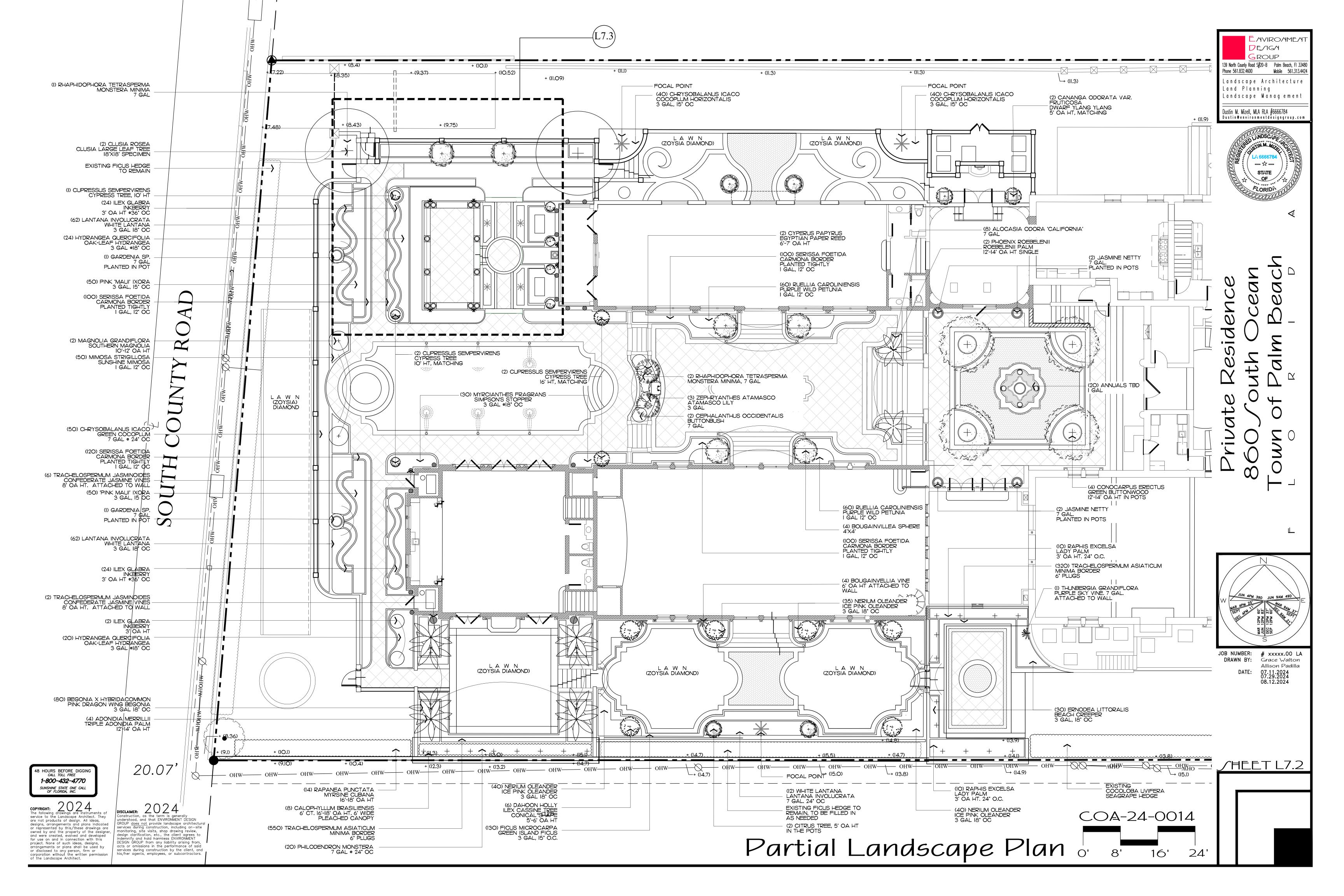
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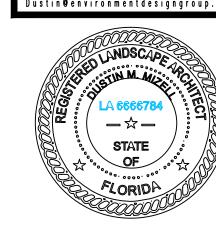
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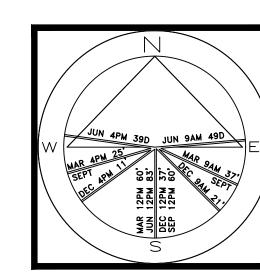












JOB NUMBER: # xxxxx.00 LA Allison Padilla

/HEET L7.3

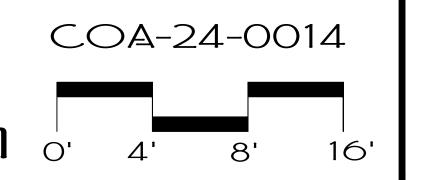
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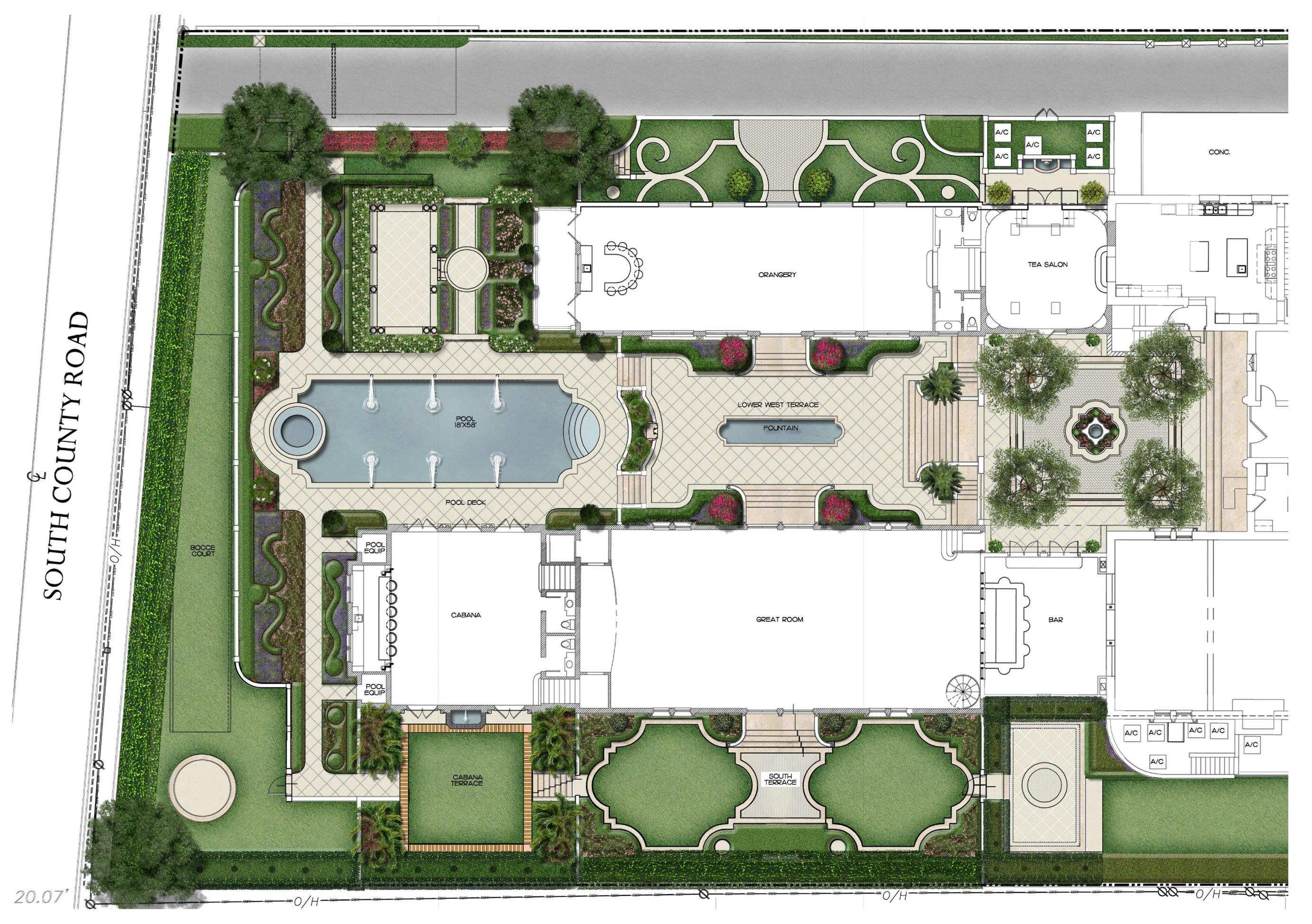
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Partial Landscape Plan – Italian Garden of 4 8 16





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DISCLAIMER:

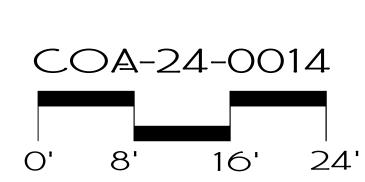
Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on—site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING CALL TOLL FREE

1-800-432-4770

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Rendered Landscape Plan (Partial) 0' 8' 16' 24'



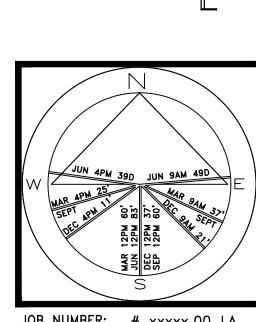
ENVIRONMENT
DEVIGN
GROUP

139 North County Road S#20-B Palm Beach, FI 33480
Phone 561.832.4600 Mobile 561.313.4424

Landscape Architecture
Land Planning
Landscape Management



Private Residence 60 South Ocean wn of Palm Beach



JOB NUMBER: # xxxxx.00 LA
DRAWN BY: Grace Walton
Allison Padilla
DATE: 07.11.2024
07.29.2024
08.12.2024

